# Mountain Weather Forecast

## Peak District National Park

Forecast valid from 06:00 on Monday 22 Aug 2022 until 23:59 on Tuesday 23 Aug 2022

Forecast Issued on Monday 22 Aug 2022 at 00:16

**Confidence:** High for the changeable theme, but low confidence in precipitation detail overnight and through Monday, then again during the outlook period.

**Headline for Monday 22 Aug 2022:** Mostly cloudy with rain showers.

**Mountain weather hazards on Monday 22 Aug 2022**

**Blizzards**
No Likelihood

**Gales**
No Likelihood

**Thunderstorms**
Low Likelihood

**Heavy persistent snow**
No Likelihood

**Severe chill effect**
No Likelihood

**Heavy persistent rain**
Low Likelihood

**Storm force winds**
No Likelihood

**Poor visibility**
Medium Likelihood

**Strong sunlight**
Low Likelihood

| **Weather and chance of precipitation at 600m** | | | | | |
|---|---|---|---|---|---|
| Time | | | | | |
| 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | |
| Light rain showers | Light rain | Light rain | Light rain | Light rain showers | Light rain showers (night) |
| Precipitation probability | | | | | |
| 30% | 40% | 80% | 80% | 40% | 30% |

**Forecast for Monday 22 Aug 2022**

**Weather:** Isolated showers, perhaps heavy, to start the morning, with more widespread rain moving in from the west. Rain could be heavy at times. Cloud gradually thickening and lowering across the summits. This low cloud is expected to persist through much of the afternoon, with a low risk of the odd heavy shower. Cloud will clear eastwards into the evening as precipitation becomes lighter. Skies will mostly clear overnight, although patches of low cloud may linger over hill tops.

**Chance of cloud-free hill tops above 600m:** 70% deteriorating to 30% by midday. Improving to 70% by evening.

**Low cloud and visibility:** Good visibility at first, but becoming moderate to poor in rain or heavy showers. As cloud base lowers to around 400-500m, visibility over higher ground will become very poor at times. Becoming good for most areas by evening, however remaining poor in patches of low cloud base 300-400m.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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# Mountain Weather Forecast

**Forecast for Monday 22 Aug 2022**

| Height (m) | Wind Speed mean/gusts (mph) Wind Direction (blowing from) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 12/17 S | 13/18 S | 16/22 S | 15/20 S | 11/14 S | 9/13 SW | 9/11 SW |
| **300** | 9/14 SE | 9/14 S | 11/18 S | 12/19 S | 8/12 S | 6/9 S | 5/7 S |
| **Valley** | 4/11 SE | 5/13 S | 7/16 S | 7/16 S | 4/11 S | 3/9 SW | 3/6 S |

| Height (m) | Temperature / Feels Like (°C) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 14/12 | 14/12 | 14/11 | 14/12 | 15/13 | 14/13 | 14/12 |
| **300** | 16/14 | 16/15 | 16/14 | 16/15 | 17/16 | 16/16 | 16/16 |
| **Valley** | 16/16 | 17/17 | 17/16 | 17/16 | 18/18 | 17/17 | 16/16 |
| **Freezing Level*** | 2900m | 3000m | 3100m | 3000m | 3000m | 2900m | 2800m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

A deterioration in conditions is likely as the morning goes on, with heavy rain at times and cloud bases lowering.

**Recent rainfall:** measured at Cat & Fiddle: altitude 511m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 02:00 on Mon 22 Aug 2022 | 0.8mm | 0.8mm | 0.8mm |

**Forecast for Tuesday 23 Aug 2022**

**Weather:** Low cloud possible with foggy conditions across the summits at first. Then a generally bright day with variable amounts of cloud. Dry for many, although some light showers are possible at times from late morning. Warmer than Monday.

**Maximum wind:** Southwesterly 12mph gusting 20mph.

**Chance of cloud-free hill tops above 600m:** 40% increasing to >95%.

**Low cloud and visibility:** Moderate in showers and very poor in low cloud with bases 500-600m, but otherwise good.

**Temperature:** **Valleys:** Plus 13 Celsius increasing to 21 Celsius.
**At 600m:** Plus 14 Celsius
**Freezing level:** Above summits

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